

## XP-002090928

- 1/1 - (C) WPI / DERWENT  
AN - 91-256733 c30!  
AP - JP890306851 891127  
PR - JP890306851 891127  
TI - Adhesive compsn. for aluminium alloys - comprises epoxy! resin, thermoplastic resin powder, aluminium coupling agent, curing agent and filler  
IW - ~~ADHESIVE COMPOSITION~~ ALUMINIUM ALLOY COMPRISE POLYEPOXIDE RESIN THERMOPLASTIC RESIN POWDER ALUMINIUM COUPLE AGENT CURE AGENT FILL  
PN - JP3167283 A 910719 DW9135 000pp  
ORD - 1991-07-19  
IC - C08L63/00 ; C09J163/00  
AB - J03167283 Adhesive compsn. comprises (A) 100 pts. wt. of epoxy resin contg. 1-50 wt% of 3 or more functional epoxy resin(s); (B) 1-50 pts. wt. of thermoplastic resin powder selected from LDPE, EVA, PS, polyvinyl formal, polyvinyl butyral, PMMA, Nylon 12 and hot melt polyester powders; (C) 0.1-10 pts. wt. of Al coupling agent; (D) curing agent; and (E) filler.  
- One example of (C) is acetoalkoxy Al diisopropylate. (D) is pref. high-temp. curing and is selected from dicyandiamide, Lewis acid complexes, imidazole cpds., organic acid hydrazides, melamine or its derivs., polyamine acids, amine-imide cpds., polyamines and polyamides. Examples of (D) are silica, alumina, kaolin, talc, mica, TiO2, ZnO and carbon black.  
- USE/ADVANTAGE - The compsn. is suitable for bonding Al alloys, e.g., Al alloy car parts. This adhesive realises not only excellent initial adhesion and resistance to water but also good flexibility, adhesion and shear strength after a water resistance test.  
- (Dwg.0/0 , glos)